



Cobra 29 LTD Classic Power Port Replacement

This guide will show you how to replace the power port on your Cobra 29 LTD Classic.

Written By: Noah Negrey



INTRODUCTION

The power connector connects to the power port and provides power to the device. The power port is located on the back of the device. Perform the guide on a flat non-conductive surface to avoid electrical shock and damage to your device.

Some steps in this guide require soldering. For information on how to solder, see the [soldering guide](#).



TOOLS:

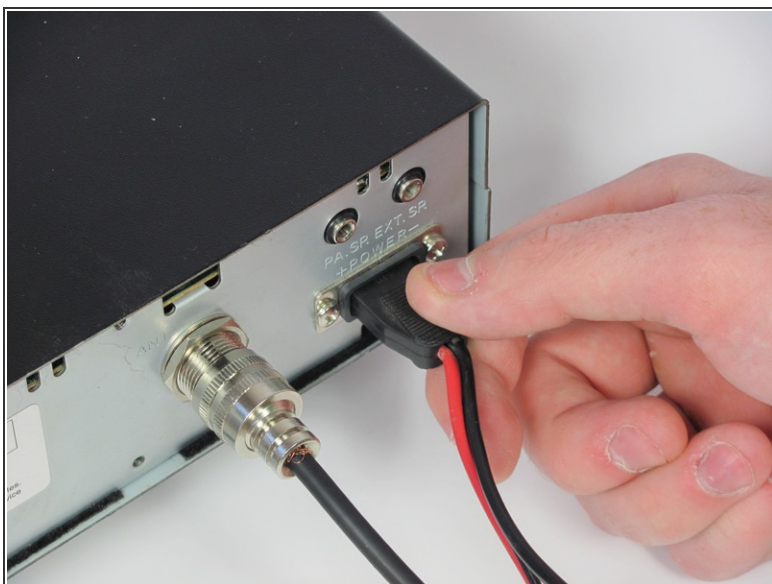
- [Phillips #1 Screwdriver](#) (1)
 - [Soldering Station](#) (1)
 - [Desoldering Braid](#) (1)
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Step 1 — Power Cable



- Turn the power switch, the leftmost knob, counterclockwise to off.

Step 2



- Turn the device around and firmly pull the power cable plug to remove it from the radio.

Step 3 — Antenna Cable



- Unscrew the securing cap counterclockwise from the antenna connector.

Step 4



- Gently pull the antenna cable to remove it from the back of the radio.

Step 5 — Microphone



- Unscrew the cap counterclockwise on the microphone plug to disconnect the cable.

Step 6



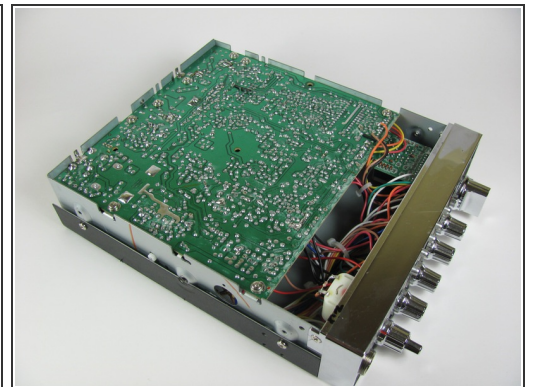
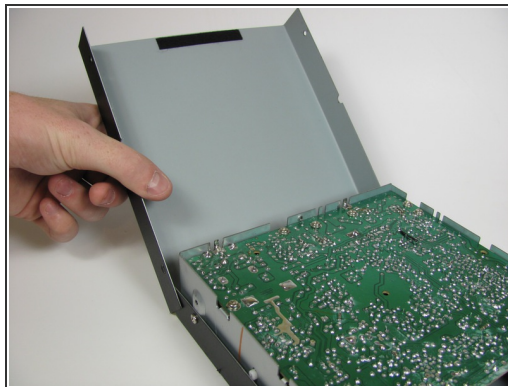
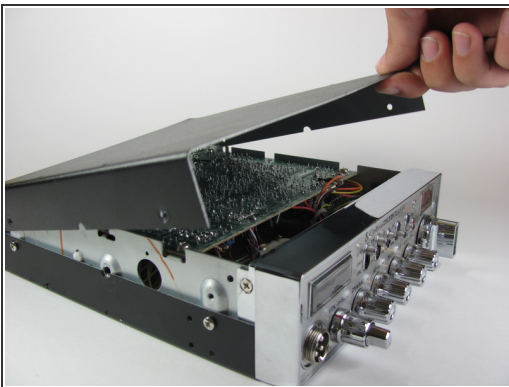
- Gently unplug the microphone plug.

Step 7 — Outer Cover



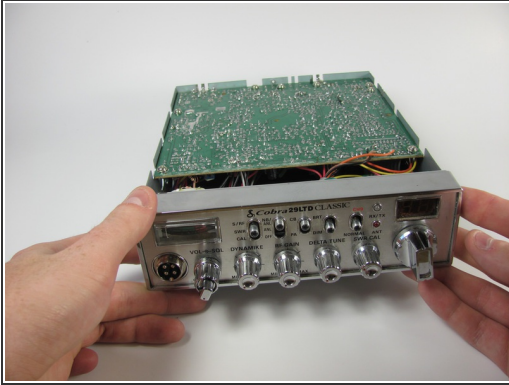
- Unscrew the top four 6.0mm Phillips head screws counterclockwise on the left and right side of the device using a #1 Phillips head screwdriver.


Step 8



- Gently lift and remove the top cover.

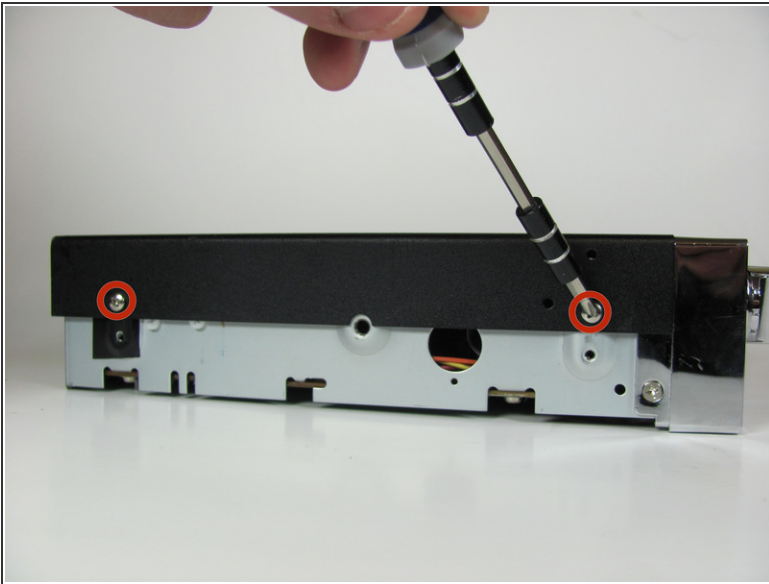
Step 9



 Gently set down on a hard, flat, non-conductive surface to minimize risk of shock or breaking your radio.

- Carefully flip the radio over.


Step 10



- Unscrew the four 6.0mm Phillips head screws counterclockwise on the left and right side of the device that connect the remaining cover, using a #1 Phillips head screwdriver.

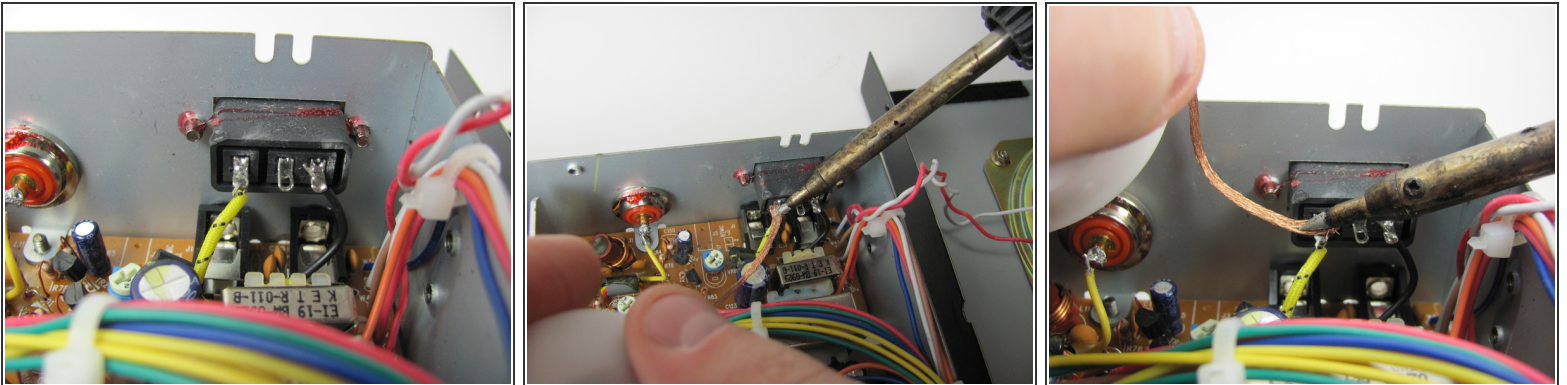
Step 11



 Watch out for the wires connected to the speaker. These short wires will not allow you to move the cover very far.

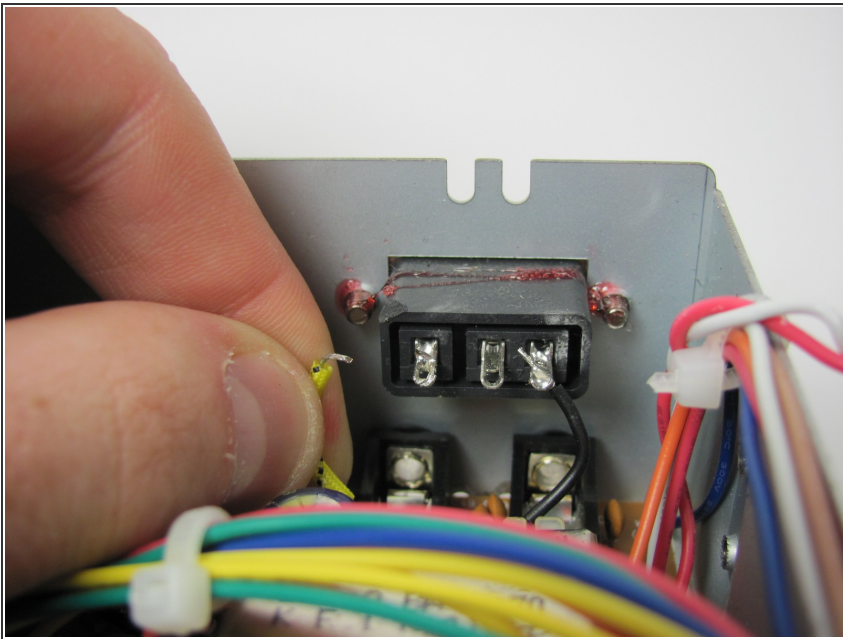
- Gently lift and remove the case cover.

Step 12 — Power Port



- [De-solder](#) the yellow wire that is connected to the power port, with a soldering iron and the desoldering wick.
- During reassembly you will need to [resolder](#) the components back together.

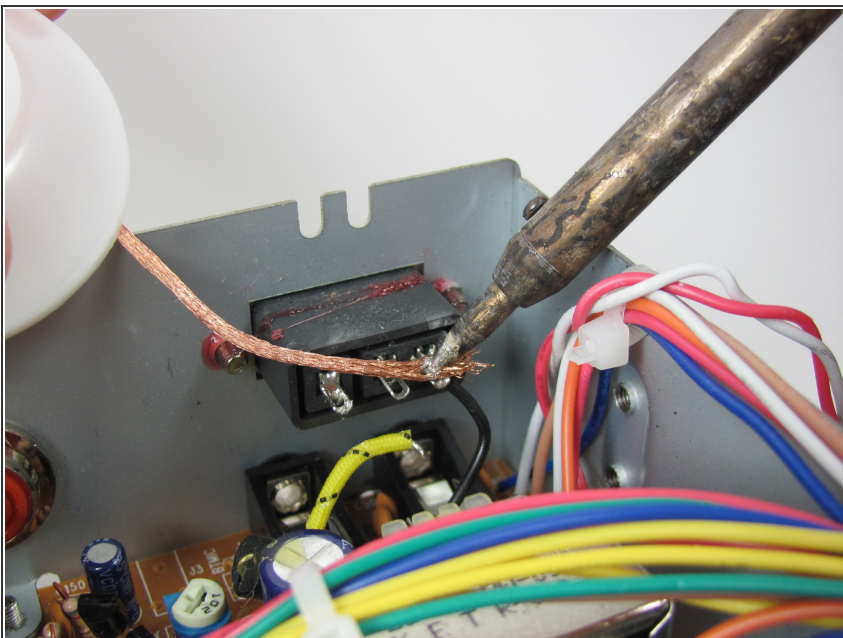
Step 13



⚠ The wire may still be hot, so let it sit for 30 seconds before continuing.

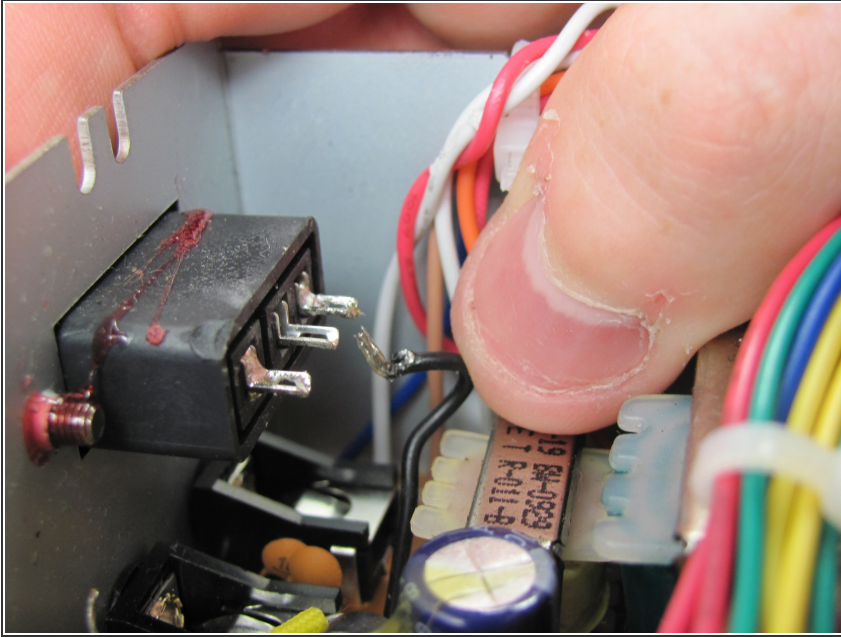
- Remove the yellow wire from the power port.

Step 14



- [De-solder](#) the black wire that is connected to the power port, with a soldering iron and the desoldering wick.
- During reassembly you will need to [resolder](#) the components back together.

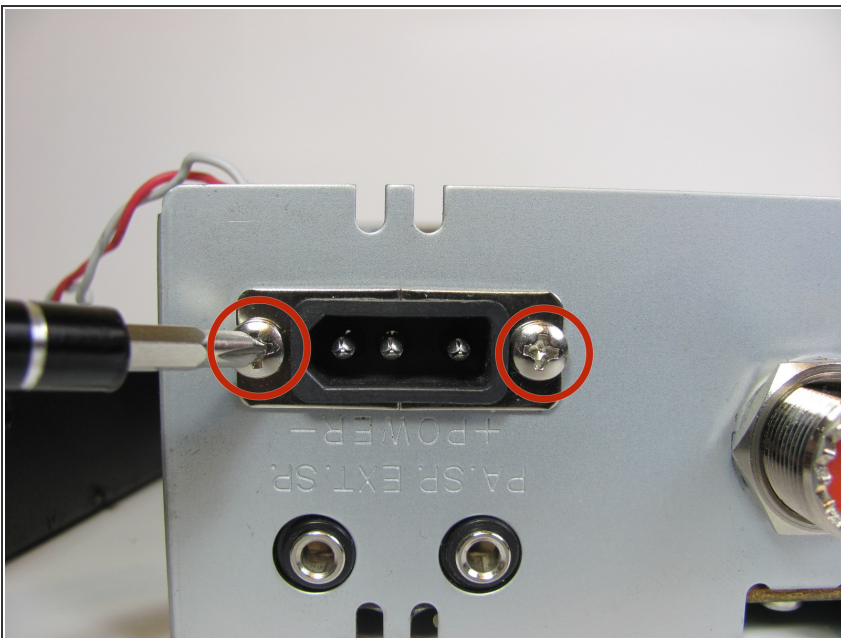
Step 15



⚠ The wire may still be hot, so let it sit for 30 seconds before continuing.

- Remove the black wire from the power port.

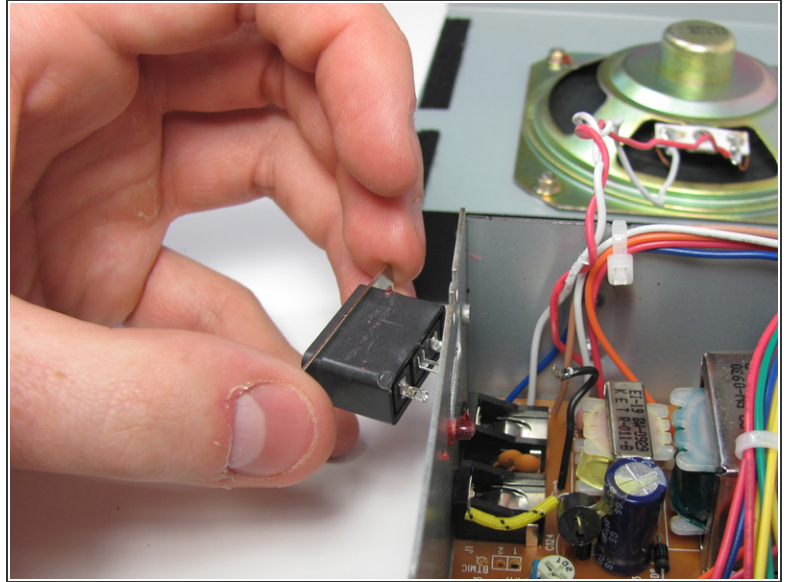
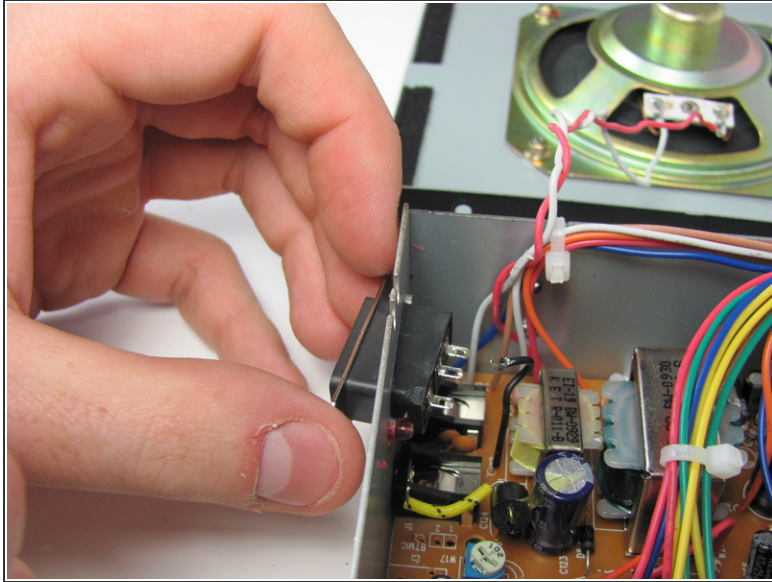
Step 16



- Unscrew the two 6mm Phillips screws counterclockwise, using a #1 Phillips head screwdriver.

ⓘ If screws have lock-tight glue on them, use a strong force to initially remove the screws from the device.

Step 17



- Gently pull the power port out of the case.

To reassemble your device, follow these instructions in reverse order.

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